

10/620,895

-1-

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Akshey Seghal

Application No.: 10/620,895

Filed: July 16, 2003

For: COMPOSITIONS AND METHOD FOR  
REMOVING PHOTORESIST AND/OR  
RESIST AT PRESSURES RANGING  
FROM AMBIENT TO SUPERCRITICAL

Group Art Unit: 1746

Examiner: Unknown

**INFORMATION DISCLOSURE  
STATEMENT**

121 Spear Street, Suite 290  
San Francisco, CA 94105  
(415) 512-1312

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as First Class Mail in an  
envelope, addressed to: Commissioner for Patents, P.O.  
Box 1450, Alexandria, VA 22313-1450 on Nov. 20, 2003.  
STALLMAN & POLLOCK LLP

Dated: 11/20/2003

By:

Georgia K. Stith

Sir:

Applicant(s) submit(s) herewith patents, publications or other information [attached  
hereto and listed on the attached Form PTO-1449 (modified)] of which he is aware, which he  
believe(s) may be material to the examination of this application and in respect of which there  
may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
- (b) ☐ is filed within three months after the filing date of the application or within three  
months after the date of entry of the national stage of a PCT application as set  
forth in 37 CFR § 1.491.
- (c) ☒ as far as is known to the undersigned, is filed before the mailing date of a first  
Office Action on the merits, or before a first office action after filing a Request  
for Continued Examination under § 1.114.
- (d) ☐ is filed after the first office action and more than three months after the  
application's filing date or PCT national stage date of entry filing but, as far as is

Atty Docket No.: SCP-9410

known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below.

- (e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

[If either of boxes (d) or (e) is checked above, the following "certification" under 37 CFR § 1.97(e) may need to be completed.] The undersigned certifies that:

- (f) ☐ Each item of information contained in the information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- (g) ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified).

A copy of the items on PTO-1449 (Modified) is supplied herewith, except as noted below.

Those patent(s) or publication(s) which are marked with an asterisk (\*) in the attached form PTO-1449 (Modified) are not supplied because they are (a) either U.S. Patents and this an application filed after June 30, 2003, or (b) were previously cited by or submitted to the Office in a prior application no. 10/197,384, filed July 17, 2002, and relied upon in this application for an earlier filing date under 35 U.S.C. § 120.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

- (k) ☒ not given

- (l) ☐ given for each listed item
- (m) ☐ given for only non-English language listed item(s) [Required]
- (n) ☐ is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references [copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

- ☒ The Commissioner is hereby authorized to charge our Deposit Account No. 50-1703, under Order No. SCP-9410, for any fees required in connection with the filing of this Information Disclosure Statement. **A duplicate copy of this Notice is enclosed for this purpose.** In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

Respectfully submitted,

STALLMAN & POLLOCK LLP

Dated: November 20, 2003

By: Kathleen A. Frost  
Kathleen A. Frost (Reg. No. 37,326)

Attorneys for Applicant(s)

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

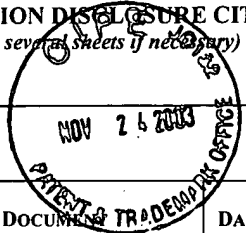
Docket Number (Optional)  
**SCP-9410**

Application Number  
**10/620,895**

Applicant(s)  
**Akshey Seghal**

Filing Date  
**July 16, 2003**

Group Art Unit  
**1746**



**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	4,944,837	07/31/1990	Nishikawa et al.	156	646	02/28/1989
	*AB	5,013,366	05/07/1991	Jackson et al.	134	1	12/07/1988
	AC	5,068,040	11/26/1991	Jackson	218	748	04/03/1989
	*AD	5,313,965	05/24/1994	Palen	134	61	06/01/1992
	AE	5,337,446	08/16/1994	Smith et al.	15	21.1	10/27/1992
	AF	5,355,901	10/18/1994	Mielnik et al.	134	105	10/27/1992
	*AG	5,377,705	01/03/1995	Smith, Jr. et al.	134	95.3	09/16/1993
	*AH	5,401,322	03/28/1995	Marshall	134	13	06/30/1992
	AI	5,456,759	10/10/1995	Stanford, Jr. et al.	134	1	08/01/1994
	AJ	5,522,938	06/04/1996	O'Brien	134	1	08/08/1994
	*AK	5,629,277	05/13/1997	Plishka	510	202	10/04/1995
	AL	5,665,527	09/09/1997	Allen et al.	430	325	02/03/1997
	*AM	5,721,204	02/24/1998	Maxwell et a.	510	206	02/29/1996
	*AN	5,783,082	07/21/1998	DeSimone et al.	210	634	11/03/1995
	*AO	5,868,856	02/09/1999	Douglas et al.	134	2	07/23/1997
	*AP	5,868,862	02/09/1999	Douglas et al.	134	26	07/31/1997
	AQ	5,873,948	02/23/1999	Kim	134	19	06/24/1997
	AR	5,908,510	06/01/1999	McCullough et al.	134	2	10/16/1996
	*AS	5,944,996	08/31/1999	DeSimone et al.	210	634	05/02/1997
	*AT	5,976,264	11/02/1999	McCullough et al.	134	2	11/30/1998
	*AU	5,980,648	11/09/1999	Adler	134	34	02/14/1992
	*AV	6,024,801	02/15/2000	Wallace et al.	134	1	12/09/1996
	*AW	6,033,993	03/07/2000	Love, Jr. et al.	438	745	09/23/1997
	AX	6,085,762	07/11/2000	Barton	134	25.4	02/02/1999
	*AY	6,149,828	11/21/2000	Vaartstra	216	57	05/05/1997
	*AZ	6,239,090	05/29/2001	Marquis et al.	510	201	12/10/1999
	BA	6,242,165	06/05/2001	Vaartstra	430	329	08/28/1998
	BB	6,286,231	09/11/2001	Bergman et al.	34	410	01/12/2000

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BC	WO 01/33613 A2	05/10/2001	PCT	H01L	21/00		

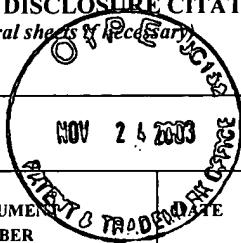
**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

	*BD	S.B. Williams et al., "Elimination of Solvents and Waste by Using Supercritical Carbon Dioxide in Precision Cleaning," <i>Los Alamos National Laboratory LA-UR-94-3313 (1017)</i> , October 1996, 25 pages in length.
	*BE	S. Verhaverbeke, "Photoresist Stripping With/Without O <sub>3</sub> Assist," <i>CFM Tech</i> , in <i>Uses of Ozone in the Semiconductor Industry, 19th Annual Semiconductor Pure Water and Chemical Conference</i> , March 13, 2000, 10 pages in length.
	*BF	S. Ojima et al., "Photoresist Stripping Technology Utilizing Water Vapor," <i>2000 Semiconductor Pure Water and Chemical Conference</i> , 2000, pp. 387-398.

Examiner	Date Considered
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if needed)</i>	<b>Docket Number (Optional)</b> <b>SCP-9410</b>	<b>Application Number</b> <b>10/620,895</b>
	<b>Applicant(s)</b> <b>Akshey Seghal</b>	
	<b>Filing Date</b> <b>July 16, 2003</b>	<b>Group Art Unit</b> <b>1746</b>



### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	BG	6,306,564	10/23/2001	Mullee	430	329	05/27/1998
	BH	6,500,605	12/31/2002	Mullee et al.	430	329	10/25/2000
	BI	6,508,887	01/21/2003	Park et al.	134	2	11/21/2000
	BJ	6,509,141	01/21/2003	Mullee	430	329	09/03/1999
	BK	US 2002/0014257	02/07/2002	Chandra et al.	134	19	05/18/2001
	BL	US 2002/0026729	03/07/2002	Bergman et al.	34	410	08/07/2001
	BM	US 2002/0128164	09/12/2002	Hara et al.	510	175	11/30/2001

### FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

### OTHER DOCUMENTS

*(Including Author, Title, Date, Pertinent Pages, Etc.)*


<b>Examiner</b>	<b>Date Considered</b>
<b>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</b>	